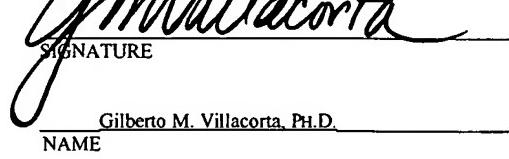


FORM PTO-1390 (REV. 12-2001) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 332685.00101
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO.		INTERNATIONAL FILING DATE
PCT/EP03/04510		30 April 2003
		PRIORITY DATE CLAIMED
		04 May 2002
<b>TITLE OF INVENTION: METHOD AND DEVICE FOR THE TREATMENT OF SUBSTANCES OR COMPOSITE MATERIALS AND MIXTURES</b>		
<b>APPLICANT(S) FOR DO/ES/US: Christoph MUTHER and Kee Loo TAN</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. has been communicated by the International Bureau.</li> <li>c. is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> <li>a. are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. have been communicated by the International Bureau.</li> <li>c. have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> <p>8. An English language translation of the amendments to the claims under the PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. An English language version of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. A substitute specification.</p> <p>16. A change of power of attorney and/or address letter.</p> <p>17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825.</p> <p>18. A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PTO Form 1449, International Search Report, return receipt postcard</p>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL PCT/EP03/04510	APPLICATION	NO ATTORNEY'S 332685.00101
<b>10/510991</b>			
21. X The following fees are submitted:		CALCULATIONS PTO USE ONLY	
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) – (5)):</b>			
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO.....		\$1110.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....		\$950.00	
International preliminary examination (37 CFR 1.482) paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....		\$790.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4).....		\$750.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....		\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$ 950.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).		20      30	\$
CLAIMS      NUMBER FILED      NUMBER EXTRA      RATE			
Total claims	19-20 =	0	x \$18.00      \$ 0.00
Independent claims	2 - 3 =	0	x \$86.00      \$ 0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$290.00	\$ 0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 950.00	
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.		-	\$ 475.00
		<b>SUBTOTAL =</b>	\$ 475.00
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).		20      30	\$
		<b>TOTAL NATIONAL FEE =</b>	\$ 475.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$	
		<b>TOTAL FEES ENCLOSED=</b>	\$ 475.00
		Amount to be refunded: charged:	\$
a.	A check in the amount of \$ _____ to cover the fees is enclosed.		
b. X	Please charge my Deposit Account No. <u>50-1710</u> in the amount of <u>\$475.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.		
c. X	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-1710</u> . A duplicate copy of this sheet is enclosed.		
d.	Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.		
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</b>			
SEND ALL CORRESPONDENCE TO:			
Gilberto M. Villacorta, Ph.D. KATTEN MUCHIN ZAVIS ROSENMAN Customer No. 27160 525 West Monroe Street, Suite 1600 Chicago, Illinois, 60661-3693 Fax: (312) 902-1061 Tel: (202) 625-3500			
 <b>SIGNATURE</b> Gilberto M. Villacorta, Ph.D. <b>NAME</b> 34,038 <b>REGISTRATION NUMBER</b>			